

ECR #: P16

Tracker #: 766

Status: Ratified

Title: NLX riser board card edge connector maximum tilt specification

Release Date: March 13, 1998

Impact, Low: Riser card/motherboard

Spec Version: NLX Motherboard Specification 1.2

Summary:

Specify recommended connector tilts of .010 inch maximum for the short and long axis of the NLX riser board card edge connector (both the 340-pin and 2x13-pin connectors).

Background:

A riser card built with excessive connector tilts can cause board insertion difficulties and damages and potentially other problems. Validation testing has shown that the maximum tilt values should not exceed .010 inch/ 0.25 mm from the plane of the riser card for both the short and long axis. The recommended maximum tilt value applies to the 340-pin connector and to the 2x13-pin connector.

The tilt recommendations are currently published in *NLX Generic Riser Card Design Overview*, V1.1, and *NLX Electrical Design Suggestions*, V1.2. The recommendations will be added to the next revision of the *NLX Motherboard Specification*.

Change Current Specification As Shown:

Add the following text and new figure at the end of section 3.3.3 (page 24) in the NLX specification, V1.2:

Note that the maximum allowed connector tilt is 0.010 inches from the plane of the riser card for both the short and long axis. Excessive tilts could cause board insertion difficulties and damages. Figure 3.11.1 shows tilts on both short and long axis.

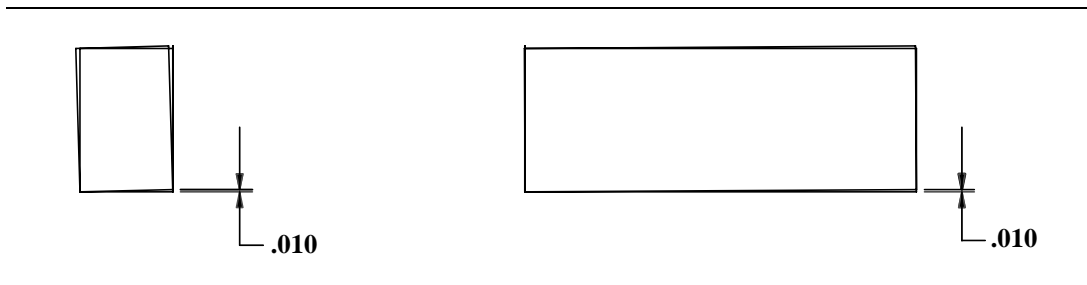


Figure 3.11.1: Maximum Recommended Connector Tilts for Riser Board Card Edge Connectors

(2X13-pin connector and 340-pin connector)